## CLAIMS

1	1. A light emitting fishing lure comprising:			
2	a hollow body having an exterior, a distal end and a proximal end, the			
3	proximal end terminating in an eyelet;			
4	a hook coupled to said body;			
5	a battery source;			
6	a multiple emission color light source located within said body;			
7	a printed circuit board controller for said light source that automatically varies			
8	color emission from said light source; and			
9	a light pipe in optical communication between said light source and the			
10	exterior of said body.			
1	2. The lure of claim 1 further comprising a phosphor on the exterior of			
2	said body selected from the group consisting of an embedded particulate, a film, and			
3	an appliqué.			
1	3. The lure of claim 1 wherein said battery source is a button-type			
2	battery.			
1	4. The lure of claim 1 wherein said light source is a multiple color single			
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1	5.	The lure of claim 4 wherein said multiple color single light emitting	
2	diode has an ultraviolet emission.		
1	6.	The lure of claim 1 wherein said light source is a plurality of light	
2	emitting diod	les.	
1	7.	The lure of claim 6 wherein said plurality of light emitting diodes	
2	comprises an	ultraviolet light emitting diode.	
1	8.	The lure of claim 1 wherein said light pipe is embedded in said body.	
1	9.	The lure of claim 8 wherein said body is transparent or translucent and	
2	functions as s	said light pipe.	
1	10.	The lure of claim 1 wherein said light pipe is a trailing fiber optic.	
1	11.	The lure of claim 10 wherein said light pipe is a plurality of fiber	
2	optics emana	ting from the distal end of said body.	
1	12.	The lure of claim 1 further comprising a switch for selectively forming	
2	an electrical	circuit between said light source and said battery.	

1	13.	The lure of claim 12 wherein said switch is located within said body.
1	14.	The lure of claim 12 wherein said switch is of a type selected from the
2	group consist	ing of: kinetic, motion detection, and electrical resistivity.
1	15.	The lure of claim 12 wherein said switch is a kinetic switch.
1	16.	The lure of claim 1 further comprising a transformerless voltage step-
2	up circuit inte	ermediate between said battery and said light source.
1	17.	The lure of claim 16 wherein said transformerless voltage step-up
2	circuit increa	ses output voltage from said battery source by a factor of between 1.6
3	and 3.	
1	18.	A light emitting fishing lure comprising:
2	a holl	ow body having an exterior, a distal end and a proximal end, the
3	proximal end	terminating in an eyelet decorated with phosphor;
4	a hool	coupled to said body;
5	a batte	ery source;
6	an ulti	raviolet light emitting diode light source located within said body;

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24.

7	a printed circuit board controller for said ultraviolet light emitting diode light			
8	source to selectively activate said ultraviolet light emitting diode light source in a			
9	time pulsed manner; and			
10	a light pipe in optical communication between said light source and the			
11	exterior of said body.			
1	19. The lure of claim 18 further comprising a phosphor on the exterior of			
2	said body selected from the group consisting of an embedded particulate, a film, and			
3	an appliqué.			
1	20. The lure of claim 18 wherein said light pipe is embedded in said body.			
1	21. The lure of claim 18 wherein said light pipe is a trailing fiber optic.			
1	22. The lure of claim 21 wherein said light pipe is a plurality of fiber			
2	optics emanating from the distal end of said body.			
1	23. The lure of claim 18 further comprising a switch for selectively			
2	forming an electrical circuit between said light source and said battery.			

The lure of claim 23 wherein said switch is located within said body.

1	25.	The lure of claim 23 wherein said switch is of a type selected from the	
2	group consis	sting of: kinetic, motion detection, and electrical resistivity.	
1	26.	The lure of claim 23 wherein said switch is a kinetic switch.	
1	27.	The lure of claim 18 further comprising a transformerless voltage step-	
2	up circuit in	termediate between said battery and said light source.	
1	28.	The lure of claim 27 wherein said transformerless voltage step-up	
2	circuit incre	ases output voltage from said battery source by a factor of between 1.6	
3	and 3.		
1	29.	The lure of claim 18 wherein said ultraviolet light emitting diode is	
2	gallium indium nitride.		
1	30.	The lure of claim 18 wherein said ultraviolet light emitting diode is	
2	gallium nitri	de.	
1	31.	A method of charging a phosphorescent fishing lure comprising the	
2	steps of:		

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3		sealing	g a battery powered ultraviolet light emitting diode within a fishing lure	
4	having a phosphor thereon;			
5	providing an optical path between said ultraviolet light emitting diode and			
6	said phosphor; and			
7	activating said ultraviolet light emitting diode to charge said phosphor.			
1		32.	The method of claim 31 wherein activation of said ultraviolet light	
2	emittir	ng diode	e is in a time pulsed manner.	
1		33.	The method of claim 32 wherein the time pulsed manner is on a time	
2	scale c	ompara	ble with a decay time of said phosphor.	
1		34.	The method of claim 31 wherein the optical path is via an optical fiber.	
1		35.	The method of claim 34 wherein said optical fiber is embedded in said	
2	fishing	g lure.		
1		36.	The method of claim 34 wherein said optical fiber is a trailing optical	
2	fiber.			

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- 1 37. The method of claim 36 wherein said trailing optical fiber is a plurality
- 2 of fibers emanating from said fishing lure.